

Introduction to Biological Nutrient Removal
HRSD, Nansemond Wastewater Treatment Plant, Portsmouth Virginia
June 3 – 4, 2009
Registration Form

Name: _____
Title: _____
Organization: _____
Street/PO Box: _____
City: _____ State: _____ Zip: _____
Telephone: (_____) _____ Fax: (_____) _____
Email: _____

Mail form & payment to:

Office of Finance
Department of Environmental Quality
PO Box 1104
Richmond VA 23218



Introduction to Biological Nutrient Removal Workshop

June 3 – 4, 2009

at the
**Hampton Roads Sanitation District
Nansemond WWTP
Portsmouth, Virginia**



Conducted By:

**Operator Training Program
Office of Water Permits and Compliance Assistance
Department of Environmental Quality
PO Box 1105
Richmond, Virginia 23218
wwoperator@deq.virginia.gov
www.deq.virginia.gov/tptp**

Description:

This two day workshop provides an introduction to the principles involved in biological nutrient removal. The focus of the program will be the suspended growth (activated sludge) BNR processes.

The program will discuss the basic concepts associated with biological nutrient removal (nitrification, denitrification and biological phosphorus removal). It will identify performance factors, provide typical operating ranges for many of these factors and review various design and operational configurations currently being used for BNR.

The training program will utilize the Nansemond treatment system to illustrate many of the concepts being discussed during the program.

Who should attend:

If you operate or manage a treatment system which includes biological nutrient removal or will be required to implement biological nutrient removal, this program will be helpful.

Time & Place

This program will be conducted at the Hampton Road Sanitation District, Nansemond Wastewater Treatment Plant in Portsmouth Virginia on June 3 – 4, 2009. Classes will be conducted each day from 8:30 AM to 4:30 PM

Participants are responsible for their own transportation to the field exercise sites.

Instructors:

The program will be instructed by members of the Department of Environmental Quality, Operator Training Program.

Registration & Fee:

There is \$100 registration fee for this program. Fees should be submitted in the form of check or money order. **No purchase orders or credit cards are accepted.** State Agencies should contact the Department's Finance Office (804 698-4162) for IAT procedures.

Persons wishing to attend this program should complete the registration form and mail it along with the registration fee to the address shown on the form.

The registration fee does not include break refreshments or lunch.

Persons registering for the program will receive an information package that includes directions and other pertinent information.

Course Approval:

The course is recognized by the Virginia Board for Waterworks and Wastewater Works Operators for 1.2 training credits. Successful completion may be used to substitute for up to 1.2 months of required wastewater plant operational experience as permitted by Board regulations.

Cancellation:

We reserve the right to cancel any program when there is insufficient registration. People who register will be notified of the cancellation and receive a refund of the registration fee.

Registrants who withdraw from the program or fail to attend the program will not receive a refund unless the Department has received notification of the withdrawal at least 5 business days prior to the start of class.

Substitutions are permitted anytime **before** the start of class.

For additional information contact:

Jason T. Spicer
804 698-4143
jtspicer@deq.virginia.gov

and/or

D. Wayne Staples
804 698-4106
dwstaples@deq.virginia.gov
